

## **Appendix A – Abbreviations and Acronyms**

AC	Alternating Current
ALARA	As Low As Reasonably Achievable
amp	Ampere
AQCR	(Hampton Roads Intrastate) Air Quality Control Region
ARC	Applied Research Center (City of Newport News)
AST	Above Ground Storage Tank
BCP	Buffered Chemical Polish
BMP	Best Management Practice
CBPA	Chesapeake Bay Preservation Area
CBPADMR	Chesapeake Bay Preservation Area Designation and Management Regulations
CEBAF	Continuous Electron Beam Accelerator Facility
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
cfs	Cubic Feet per Second
CHL	Central Helium Liquefier
Ci	Curie
cm	Centimeter
CW	Continuous Wave
CZMA	Coastal Zone Management Act
dB / dBA	Decibels
DC	Direct Current
DCR	Department of Conservation and Recreation
DEQ	(Commonwealth of Virginia) Department of Environmental Quality
DOE	(United States) Department of Energy
EA	Environmental Assessment
EAD	Environmental Assessment Determination
EHM	Environmentally Harmful Material
EH&S	Environment, Health, and Safety
EIS	Environmental Impact Statement
E&SC	Erosion and Sediment Control
EMS	Environmental Management System
EP	Electropolish Acid
EPA	Environmental Protection Agency
EPP	Environmentally Preferable Purchasing
ESA	Environmental Site Assessment
ESAD	Experiment Safety Assessment Document
ESR	End Station Refrigerator
E2	Energy Efficiency
FDS	Floor Drain Sump
FEL	Free-Electron Laser
FONSI	Finding of No Significant Impact
FSAD	Final Safety Assessment Document
ft.	feet
FY	Fiscal Year (1 October to 30 September)
GeV	Giga (billion) electron-volt

Helios	High-Energy Lithography Source
HPBD	High Power Beam Dump
HRSD	Hampton Roads Sanitation District
ICW	Industrial Cooling Water
in	Inch
IR	infrared
ISO	International Organization for Standardization
JSA	Jefferson Science Associates, LLC
Jefferson Lab	Thomas Jefferson National Accelerator Facility
km	Kilometer
kW	Kilowatt
L	Liter
LCW	Low Conductivity Water
linac	Linear Accelerator
LPC	Laser Processing Consortium
mA	milliampere
MDC	Minimum Detectable Concentration
MeV	Million electron volts
MHz	Megahertz
ml	Milliliter
mrem	Millirem
MSL	Mean Sea Level
MS4	Small Municipal Separate Storm Sewer System
MVA	Megavolt Amp
MW	Megawatt
NAAQS	National Ambient Air Quality Standards
NCRP	National Commission on Radiation Protection and Measurement
NEPA	National Environmental Policy Act
NESHAPs	National Emission Standards for Hazardous Air Pollutants
NPL	National Priorities List
NSAC	Nuclear Science Advisory Committee
OSHA	Occupational Safety and Health Administration
pCi	Picocuries
pH	
ppm	parts per million
psi	pound per square inch
P2	Pollution Prevention
RAD	Low-Level Radioactive Waste
RadCon	Radiation Control Department
RF	Radio frequency
RMA	Resource Management Area
RPA	Resource Protection Area
R&D	Research and Design
SCS	United States Soil Conservation Service (now Natural Resources Conservation Service)
SPCC	Spill Prevention, Control, and Countermeasure (Plan)

SF	Square Feet
SRF	Superconducting Radiofrequency
SURA	Southeastern Universities Research Association, Inc.
SWP3	Storm water Pollution Prevention (Plan)
TSB2	Technical Support Building #2
TJNAF	Thomas Jefferson National Accelerator Facility (Jefferson Lab or JLab)
TLV	Threshold Limit Value
UV	Ultraviolet
VADGIF	Commonwealth of Virginia Department of Game and Inland Fisheries
VADHR	Commonwealth of Virginia Department of Historic Resources
VADCRDNH	Commonwealth of Virginia Department of Conservation and Recreation, Division of Natural Heritage
VCP	Virginia's Coastal Resources Management Program
VPA	Virginia Pollution Abatement Permit
VOC	Volatile Organic Compound
VPDES	Commonwealth of Virginia Pollutant Discharge Elimination System
VRP	Voluntary Remediation Program
WSS	Work Smart Set
yr	Year